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PATENT NON-FINAL

IN THE CLAIMS:

- 1. (canceled)
- 2. (withdrawn) A method for producing an electrolyte for a nonaqueous battery comprising the step of reacting magnesium carbonate or magnesium hydroxide with an imide compound to produce the electrolyte for a nonaqueous battery.
- 3. (withdrawn) A method for producing an electrolyte for a nonaqueous battery comprising the step of reacting magnesium carbonate or magnesium hydroxide with trifluoromethanesulfonimide to produce magnesium bistrifluoromethanesulfonimide.
- 4. (currently amended) An electrolytic solution for a nonaqueous battery comprising:

magnesium bistrifluoromethanesulfonimide; and

an organic solvent and/or a room temperature molten salt having a melting point of 60°C or less in which the magnesium bistrifluoromethanesulfonimide is dissolved being at least one kind selected from the group consisting of ethylene carbonate, propylene carbonate, butylene carbonate, trifluoropropylene carbonate, fluorocthylene carbonate, dimethyl carbonate, diethyl carbonate,

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methyl ethyl carbonate, sulfolane, tetrahydrofuran, crown ether, dimethoxyethane, ethoxymethoxy ethane, diethoxyetane, y-butyrolactone, valerolactone, angelica lactone, methyl formate, methyl acetate and methyl propionate;

wherein the magnesium bistrifluoromethanesulfonimide is dissolved in said organic solvent.

5 - 6. (canceled)

7. (currently amended) The electrolytic solution for a nonaqueous battery according to claim 4, An electrolytic solution for a nonaqueous battery comprising:

magnesium bistrifluoromethanesulfonimide; and

a room temperature molten salt having a melting point of 60°C or less in which said magnesium bistrifluoromethanesulfonimide is dissolved;

wherein an ammonium salt is used as the room temperature molten salt.

8. (original) The electrolytic solution for a nonaqueous battery according to claim 7, wherein the ammonium salt is trimethylpropyl ammonium-bis-(trifluoromethylsulfonyl) imide.

- 9. (currently amended) A nonaqueous battery comprising:
- a positive electrode;
- a negative electrode; and

an electrolytic solution including magnesium bistrifluoromethanesulfonimide, and an organic solvent and/or an ordinary temperature molten salt having a melting point of 60°C or less in which the magnesium bistrifluoromethanesulfonimide is dissolved the electrolytic solution according to claim 4.

- 10. (original) The nonaqueous battery according to claim 9, wherein the nonaqueous battery is a magnesium ion battery.
- 11. (currently amended) A nonaqueous electrolyte battery comprising:
- a nonaqueous electrolyte including an ether based solvent dimethoxyethane (DME) and a magnesium salt;
- a positive electrode including magnesium as an active material; and
- a negative electrode including magnesium as an active material.

12 - 13. (canceled)

- 14. (currently amended) The nonaqueous electrolyte battery according to claim 11, wherein the magnesium salt includes at least one of an imide salt and a sulfonate or a sulfonate.
- 15. (original) The nonaqueous electrolyte battery according to claim 14, wherein the imide salt is an alkylsulfonylimide salt.
- 16. (original) The nonaqueous electrolyte battery according to claim 15, wherein the alkylsulfonylimide salt is magnesium bistrifluoromethanesulfonimide.
- 17. (withdrawn) The nonaqueous electrolyte battery according to claim 14, wherein the sulfonate is an alkylsulfonate salt.
- 18. (withdrawn) The nonaqueous electrolyte battery according to claim 17, wherein the alkylsulfonate salt is magnesium trifluoromethanesulfonate [Mg (CF_3SO_3)₂].
- 19. (currently amended) The nonaqueous electrolyte battery according to claim 11, wherein the positive electrode or the negative electrode includes at least one selected from the group consisting of of a magnesium metal, a magnesium alloy, a magnesium

oxide, silicon, carbon, fluorocarbon and a transition metal sulfide.

- 20. (new) A nonaqueous battery comprising:
- a positive electrode;
- a negative electrode; and

the electrolytic solution according to claim 7.

- 21. (new) A nonaqueous battery comprising:
- a positive electrode;
- a negative electrode; and

the electrolytic solution according to claim 8.